

[ Sub cont/ (b) adding said oil blend to said infant formula in sufficient amounts that the amounts of DHA, ARA and EPA in said formula are comparable to the amounts of DHA, ARA and EPA in human breast milk.

<sup>2</sup>~~68~~. A process in accordance with claim <sup>1</sup>~~67~~, wherein the ARA-containing oil comprises at least 20% ARA.

<sup>3</sup>~~69~~. A process in accordance with claim <sup>1</sup>~~67~~, wherein the DHA-containing oil comprises at least about 25% DHA.

<sup>4</sup>~~70~~. A process in accordance with claim <sup>1</sup>~~67~~, wherein the DHA-containing oil and the ARA-containing oil are added to the infant formula to provide a ratio of ARA:DHA ranging from about 3:1 to about 2:1.

<sup>5</sup>~~71~~. A process in accordance with claim <sup>4</sup>~~70~~, wherein the DHA-containing oil and the ARA-containing oil are added to the infant formula to provide a ratio of ARA:DHA of about 2:1.

72. A process in accordance with claim 71, wherein the ratio of ARA to EPA is about 20:1 to about 5:1.

<sup>6</sup>~~73~~. A process in accordance with claim <sup>1</sup>~~67~~, wherein said ARA-containing oil is obtained by a process comprising cultivating *Pythium insidiosum* or *Mortierella alpina* under conditions which will induce the production of an oil enriched in ARA ~~but substantially free of EPA~~.

<sup>7</sup>~~74~~. A process in accordance with claim <sup>1</sup>~~67~~, wherein said DHA-containing oil is obtained by cultivating a DHA-producing species of *Cryptocodinium*.

75. A process for supplementing infant formula with DHA and ARA which comprises blending a triglyceride oil enriched in DHA and a triglyceride oil enriched in ARA, wherein said blend ~~further is substantially free of EPA~~, and adding said blend to infant formula in amounts sufficient to provide the infant formula with DHA, ARA and EPA in amounts comparable to the amounts of DHA, ARA and EPA in human breast milk.

76. A process for supplementing infant formula with DHA and ARA which comprises:

(a) obtaining a microbial oil enriched in DHA and blending it with a microbial oil enriched in ARA, wherein the DHA and ARA are in the form of triglycerides and the oil blend is ~~essentially~~ free of EPA, and

(b) adding said oil blend to said infant formula in sufficient amounts that the amounts of DHA and ARA in said formula are comparable to the amounts of DHA and ARA in human breast milk.

77. A composition comprising a blend of a microbial oil enriched in DHA and a microbial oil enriched in ARA, wherein said DHA and ARA are in the form of triglycerides and said blend ~~is at least substantially free of EPA~~.

<sup>11</sup> 78. A composition in accordance with claim <sup>10</sup> 77, wherein the microbial oil enriched in DHA comprises at least about 25% DHA.

<sup>12</sup> 79. A composition in accordance with claim <sup>10</sup> 77, wherein the microbial oil enriched in ARA comprises at least about 20% ARA.

Sub 36/47) 80. A composition in accordance with claim 77, wherein the oils are blended to provide a ratio of about 2 to 12 parts ARA and about 1 to 5 parts DHA.

14/ 81. A composition in accordance with claim 80<sup>13</sup>, wherein the oils are blended to provide a ratio of ARA:DHA of about 2:1.

Sub 37/ 82. A composition in accordance with claim 77, wherein the amount of EPA is about one twentieth or less the amount of ARA.

83. A composition in accordance with claim 77, wherein the oil enriched in ARA was produced by cultivating *Pythium insidiosum* or *Mortierella alpina* under conditions which will induce the production of an oil enriched in ARA ~~but substantially free of EPA~~.

84. A composition in accordance with claim 77, wherein the oil enriched in DHA was produced by cultivating a DHA-producing species of *Cryptocodinium* under DHA-producing conditions.

18/ 85. A composition comprising a blend of triglyceride oils, <sup>consists essentially of</sup> wherein said blend comprises ARA, DHA and EPA in a ratio of about 20:10:1 to about 5:1:1.

19/ 86. A composition comprising a blend of a <sup>microbial</sup> triglyceride oil enriched in ARA and a <sup>microbial</sup> triglyceride oil enriched in DHA, wherein <sup>microbial triglyceride</sup> the oils are provided in amounts to provide a ratio of about 2 to 12 parts ARA and about 1 to 5 parts DHA and said oils further are ~~substantially~~ free of EPA.

87. A composition comprising a blend of a <sup>microbial</sup> triglyceride oil enriched in ARA and a <sup>microbial</sup> triglyceride oil enriched in ARA wherein said blend is ~~essentially~~ free of EPA.

88. A composition comprising a blend of a microbial oil comprising at least 25% DHA and a gamma-linolenic acid-containing oil, wherein the blend is at least substantially free of EPA.

89. A composition in accordance with claim 88, wherein said linolenic acid-containing oil comprises primrose, borage or black currant seed oil.

90. A composition in accordance with claim 89, wherein said linolenic acid containing-oil is obtained by cultivating a gamma linolenic acid-producing microbe under gamma linolenic acid-producing conditions.

91. A composition in accordance with claim 90, wherein said microbe comprises *Mucor javanicus* or *Mortierella isabellina*.

92. Infant formula comprising a blend of a microbial oil enriched in DHA and a microbial oil enriched in ARA, wherein the DHA and ARA are in the form of triglycerides, the amount of DHA-containing oil and the amount of ARA-containing oil are sufficient to provide amounts of ARA and DHA comparable to the amounts of DHA and ARA in human breast milk and the formula further comprises EPA in a maximum amount of about one twentieth the amount of ARA.

93. Infant formula comprising a blend of a microbial oil enriched in DHA and an oil enriched in GLA, wherein the amount of the DHA-containing oil is sufficient to provide an amount of DHA comparable to the amount in human breast milk and the amount of the GLA-containing oil is sufficient to provide GLA in an amount that, upon administration of the formula to an infant, can be

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converted in the infant's body to an amount of ARA comparable to the amount of ARA obtainable from human breast milk.

94. Infant formula comprising DHA and ARA, wherein the DHA and ARA are in the form of triglycerides and are in amounts comparable to the amounts of DHA and ARA in human breast milk, wherein said formula is ~~essentially~~ free of EPA.

#### REMARKS

The amendments to the claims set forth above are provided to more clearly set forth certain embodiments of the present invention. No new matter is provided by these amendments. Applicant reserves the right to file one or more continuation applications directed to embodiments of his invention not specifically encompassed by these new claims.

Support for new claims 67-94 can be found throughout the specification and original claims. For example, support for new claim 67 can be found on pages 7-8, examples 4 and 5 and original claims 3 and 4. Support for new claims 68 and 69 can be found on page 9, lines 9-10. Support for new claims 70 and 71 can be found in examples 4 and 5. Support for claim 72 can be found in example 5 and on page 8, line 12. Support for new claims 73 and 74 can be found, for instance, on page 8, lines 16-22, and in example 4. New claims 75 and 76 are supported by examples 4 and 5.

New claim 77 is supported by the specification on page 8, lines 7-22 and example 4. Support for claims 78 and 79 can be